ABSTRACT

Music is a sound composed so that it contains rhythm, song and harmony. Every music has different chord provisions and arrangements, which makes making music difficult. Based on these problems, a solution was made in the form of Music Generation with the Recurrent Neural Network (RNN) method to facilitate the making of a music.

Recurrent Neural Network (RNN) is a class of artificial neural networks where the connection between nodes forms a directed graph along the sequence. This allows it to show temporary dynamic behavior for a time sequence. The data used is in the form of a Musical Instrument Digital Interface (MIDI) format file with sufficient amounts. The system will produce a midi file that has undergone the process of making chords and merging randomly so that it becomes a new music. Then implemented in Python. The output in this system can produces a music that allows it to be processed again in the Digital Audio Workstation (DAW) to produce the desired music.

Key word *: Music Generation, Recurrent Neural Network (RNN), Python, music, MIDI*